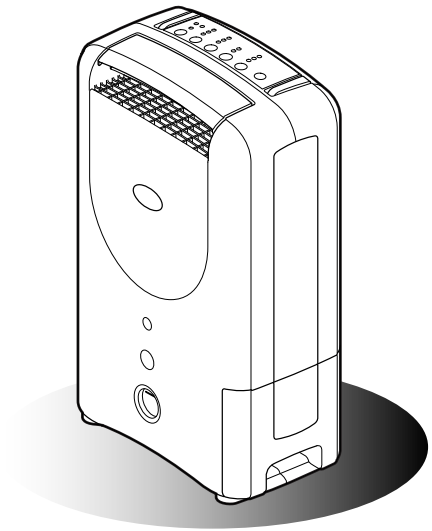
Desiccant Dehumidifier

Model: DD122FWMK3



Please read this instruction manual
before operating and keep safe for future reference

IMPORTANT SAFETY INSTRUCTIONS

PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE OPERATING.

WARNING - This appliance is intended for use in a domestic environment only. Any other use is not recommended by the manufacturer and may cause fire, electrical shocks or other injury to person or property.

When using electrical appliances, basic safety precautions should always be followed:

1. Do not operate the unit with a damaged cord or plug, after it malfunctions or has been dropped or damaged in any way. Return to an authorized service facility for examination and repair.
2. This unit should always be kept in an upright position to avoid any damage. Locate the unit on a flat stable surface.
3. Check the household voltage to ensure it matches the units rated specification before operating.
4. Operate this unit in an ambient temperature between 1^{0}C and 40^{0}C.
5. Ensure that the air inlets and outlets are not blocked or covered.
6. Do not place the unit too close to curtains or other objects - min 40cm.
7. When using the "LAUNDRY MODE" to speed up the drying of wet clothes in the room, please keep the clothing at a safe distance from the unit to prevent water from dropping onto the unit.
8. Never place anything on top of the unit and do not cover with any kind of material while in use.
9. This product is intended for domestic and light office use ONLY and not for commercial, industrial or outdoor use.
10. To protect against electrical shocks, do not immerse unit, plug or cord in water, or spray with liquids.
11. Never unplug the power cord without press the "ON/OFF" key to off first, as this could damage the unit.
12. Always unplug the unit when not in use or moving location. To disconnect from the power supply, grip the plug and pull from the power socket. Never pull by the cord.
13. Always empty the water tank before storing the unit away.
14. Close supervision is necessary when any appliance is used by or near children and pets.
15. Do not run power cord under carpeting, or cover with rugs or runners. Arrange the cord away from areas where it may be tripped over
16. Never operate or store the unit in direct sunlight.
17. To repair the unit, take it to a qualified service engineer. Repairs carried out by unqualified people may cause damage to the unit or injury to persons or property and void the warranty.
18. Where possible, avoid the use of an extension cable as they may overheat and cause a risk of fire. Only use an extension cord after ensuring it is in perfect condition.
19. Do not use the unit without the air filter.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

SAVE AND READ THESE IMPORTANT SAFETY INSTRUCTIONS

BS PLUG WIRING

Wiring Instructions: Should it be necessary to change the plug please note the wires in the mains lead are coloured in accordance with the following code :

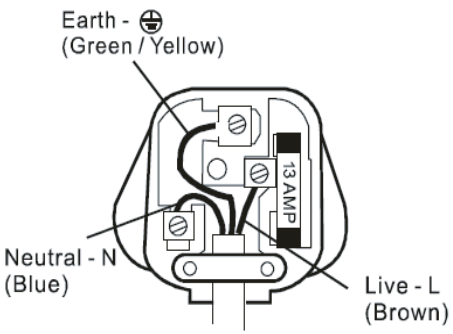
BLUE - NEUTRAL
BROWN - LIVE
GREEN AND YELLOW - EARTH

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

1. The **BLUE** wire is the **NEUTRAL** and must be connected to the terminal which is marked with the letter **N** or coloured **BLACK.**
2. The **BROWN** wire is the **LIVE** and must be connected to the terminal which is marked with the letter **L** or coloured **RED**.
3. The **GREEN/YELLOW** is the **EARTH** and must be connected to the terminal which is marked with the letter **E** or ⏚ or coloured **GREEN OR GREEN/YELLOW**.
4. Always ensure that the cord grip is positioned and fastened correctly.

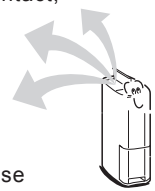
If a **13A (BS 1363)** fused plug is used it must be fitted with a **13A** fuse. If in doubt consult a qualified electrician.

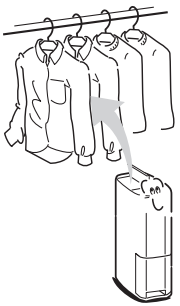
Wiring for a 13 Amp Plug (BS1363)
Please note. The Earth Terminal is marked with the letter **E** or ⏚ Earth Symbol.

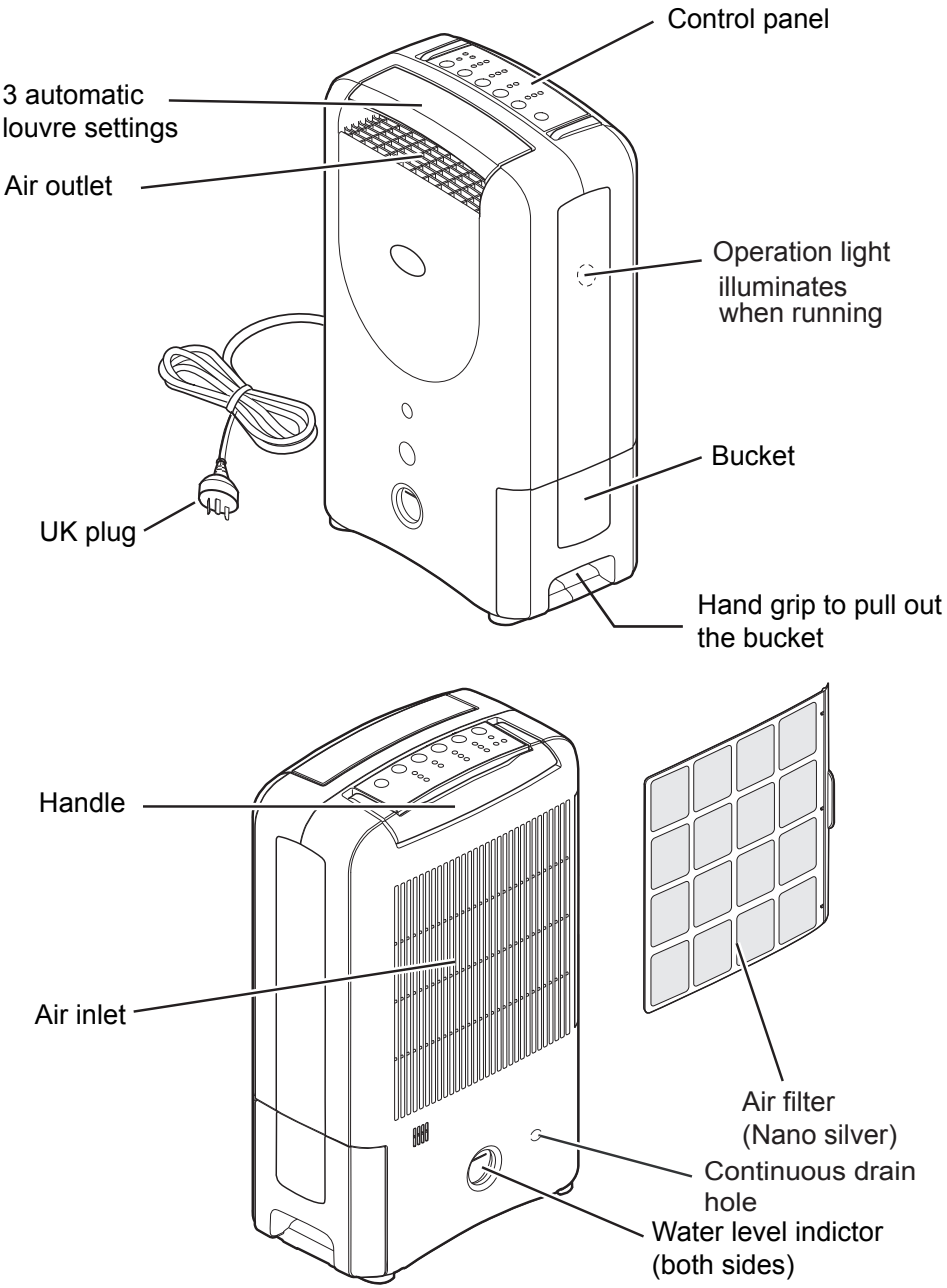


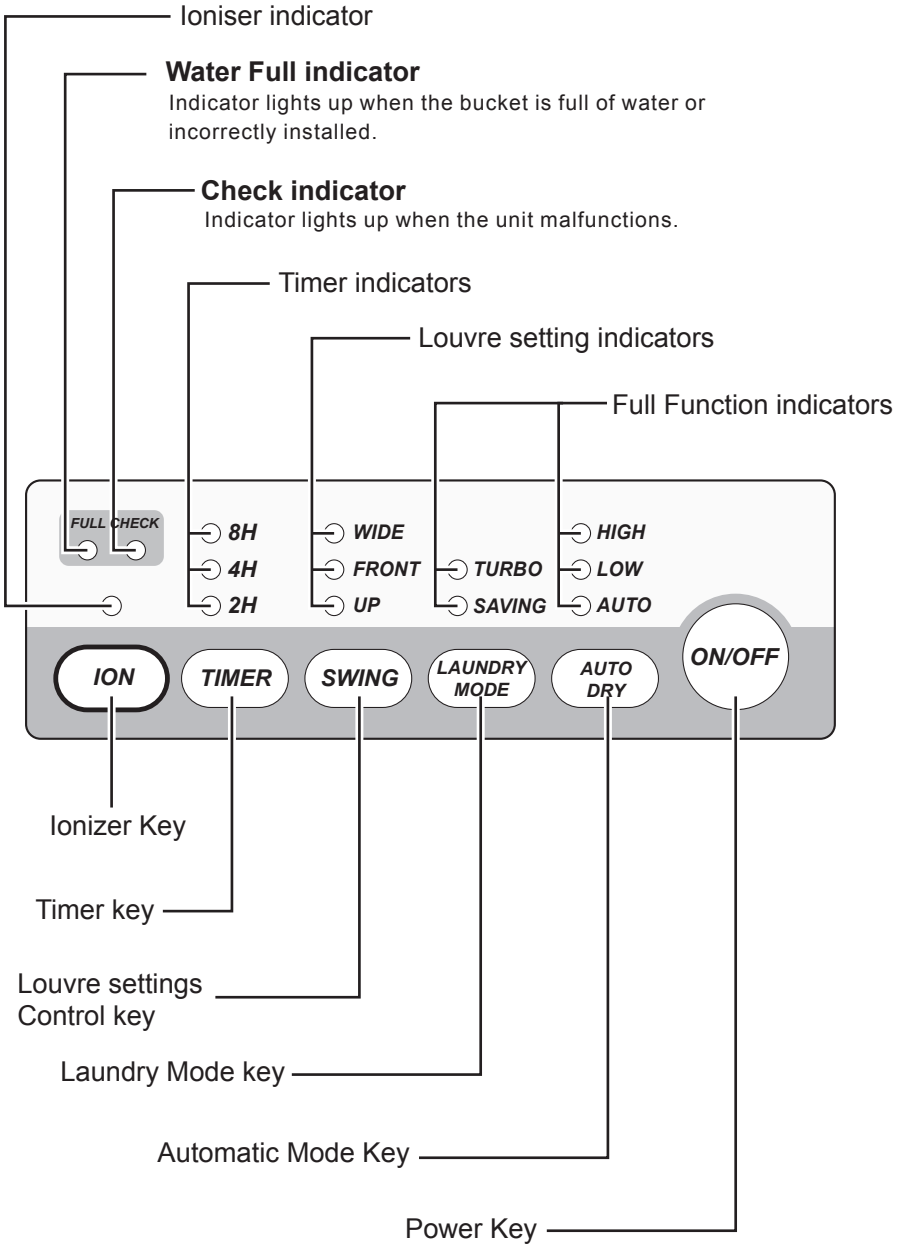
FEATURES

- **Compressorless dehumidifier** ~ uses desiccant rotor technology
- **Environmentally friendly** with no harmful gasses & quiet in operation
- **Moisture removal** ~ 7 litres/day (20°C RH60%)
- **Water tank capacity** ~ 2 litres
- **Special silver coating within the filter** ~ kills bacteria on contact, improving the quality of air in your home or office
- **Built-in ioniser**
- **Electronic louvre**
- **Laundry mode** ~ includes power saving setting for summer use & turbo setting for winter
- **Up to 8 hour timer** ~ for added convenience
- **Temperature range for use** ~ 1°C - 40°C
- **Light & portable with carry handle**
- **Removable water bucket with handle**
- **Operating light**
- **Auto restart after power cut**
  ~ Once the power is restored after a power failure, the appliance will continue to operate at the selected settings prior to the power failure.



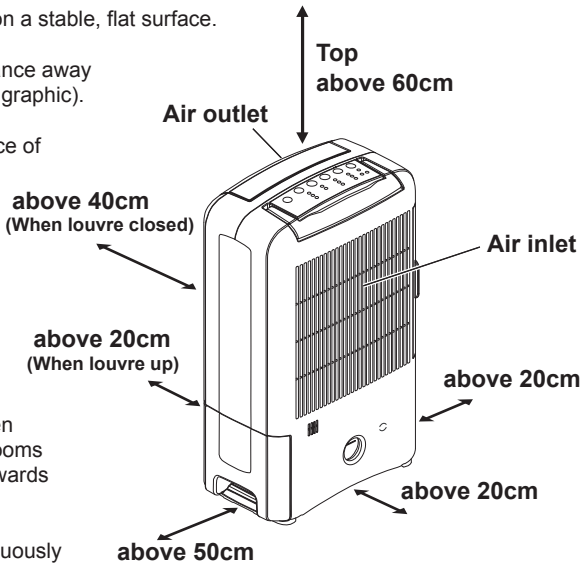



Control panel
3 automatic
louvre settings
Air outlet
Operation light
illuminates
when running
Bucket
UK plug
Hand grip to pull out
the bucket
Handle
Air inlet
Air filter
(Nano silver)
Continuous drain
hole
Water level indictor
(both sides)


Ioniser indicator
Water Full indicator
Indicator lights up when the bucket is full of water or incorrectly installed.
Check indicator
Indicator lights up when the unit malfunctions.
Timer indicators
Louvre setting indicators
Full Function indicators
FULL CHECK
8H
4H
2H
WIDE
FRONT
UP
TURBO
SAVING
HIGH
LOW
AUTO
ION
TIMER
SWING
LAUNDRY MODE
AUTO DRY
ON/OFF
Ionizer Key
Timer key
Louvre settings Control key
Laundry Mode key
Automatic Mode Key
Power Key

UNIT SETUP

- Place the unit in an upright position on a stable, flat surface.
- Please ensure the unit is a safe distance away from a wall or furniture (see the right graphic).
- Please keep clothes at a safe distance of 40 cm from air outlet of the unit to prevent water dripping into the unit.



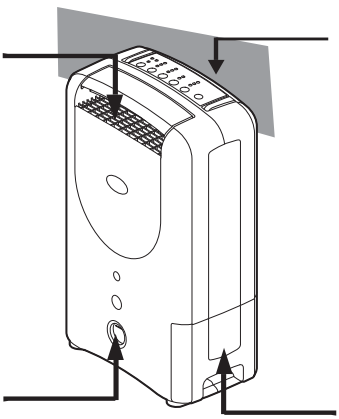
- Where to position your dehumidifier?

  For best results position the dehumidifier somewhere central like a landing or a hallway.
  As long as the internal doors are open the excess moisture from all of the rooms in the house will migrate naturally towards the dehumidifier and be processed.

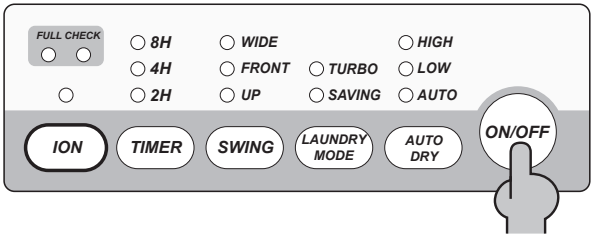
- Keep the dehumidifier running continuously in Auto mode and it will then decide how much drying is required using it's humidistat and a mixture of the Low and High fan speeds.

TO OPERATE SAFELY

- Do not insert small objects into the unit or this will damage it and cause a hazard.
- Keep suitable space as above



- Do not remove bucket when running or water may leak.
- Ensure bucket is fitted correctly, if the bucket is full or is not in place, the "FULL" lights and the machine stops.



ON and OFF

Connect the power plug to the appropriate electrical socket outlet.
Press the ON/OFF button to turn the appliance ON.
Press the ON/OFF button again to turn the appliance OFF.

Note: In the event of a power failure
Once the power is restored after a power failure, the appliance will continue to operate at the selected settings prior to the power failure.
This includes the drying mode, swing function and time remaining in timer mode.

Note: After turning the appliance OFF
After turning the appliance OFF using the ON/OFF button, the fan will continue to run for a two minute period. This is a normal procedure and helps to cool & protect the internal components. During this two minutes DO NOT remove the power plug from the electrical socket outlet; wait for the fan to stop running.

AUTO DRY MODE

- Press the "AUTO DRY" Key for automatic dehumidification.

AUTO → LOW → HIGH

MODE	DESCRIPTION
AUTO	**To keep the room at a comfortable Relative Humidity (RH) level** • The unit automatically keeps room humidity at 55~60% RH.
LOW	**To run low fan speed** • The unit automatically dehumidifies in low fan speed and low noise.
HIGH	**Super dry mode to prevent dew** • The unit automatically keeps room humidity at 40~45% RH to prevent dew in the room.

Note: There may be no difference between AUTO and LOW fan Speeds
AUTO itself is not a fan speed but a target relative humidity set point that uses either the low or high fan speeds to reach it's target of 55-60%RH.
If the relative humidity of the room is close to or within this range then switching between LOW and AUTO will make no difference to the fan speed.

LAUNDRY MODE

- Press the "LAUNDRY MODE" key for drying clothes.

SAVING → TURBO

MODE	DESCRIPTION
SAVING	**Suitable for summer to save power** • The unit automatically provides warm dry air to assist in clothes drying with low power.
TURBO	**Suitable in winter to dry clothes faster** • The unit automatically provides heat air to dry clothes faster with higher power.

AUTO SWING LOUVRE

- Press the "SWING" Key to select air louvre angle.

UP → FRONT → WIDE
HOLD(LED OFF)

MODE	DESCRIPTION
UP	• The automatic louvre swings in an upward range of approx 100^0
FRONT	• The automatic louvre swings in a front range of approx 50^0
WIDE	• The automatic louvre swing in a wide range of approx 150^0
HOLD	• The automatic louvre stops swinging when you press "SWING" key and turns the LED off.

TIMER MODE

- Press the "TIMER" Key to select your desired running time (2,4 or 8 hours). The unit will automatically switch off at the end of the selected time period. As the time counts down the LED (4 or 2 hours) lights will indicate the time remaining.
- When no "TIMER" is set (the LED is off), the unit will run continuously unless the bucket is already full.

2hrs → 4hrs → 8hrs
continuous (LED OFF)

IONISER

- Press the "ION" Key to turn the ioniser on and off. When the LED is on, the unit releases negative ions from the air outlet.

Smell coming from the dehumidifier

When you first use the dehumidifier and periodically afterwards you might notice a smell coming from the dehumidifier. This is caused by the Zeolite desiccant material and is not a sign that the dehumidifier is faulty, nor is it harmful to humans or pets. The smell occurs because the Zeolite absorbs odours from items like cigarettes, cosmetics, hair sprays, building materials and new furniture and then when the desiccant is heated the smell is discharged into the room. This smell has been described as being like a burning smell or a sour smell. It is normal, will not last long and is not a sign of a fault.

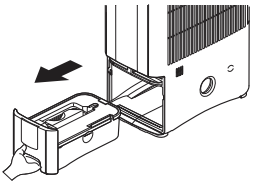
Amount of water collected

When you first use your dehumidifier it will work harder to reduce the room humidity to it's target of 55-60%RH, this is the time when it will produce the most water and need emptying most frequently. As the room becomes dryer the dehumidifier collects less water and runs at a lower fan speed. This is normal. When the target relative humidity has been reached the air coming out of the dehumidifier will not be heated and it will only be running in low fan mode. This is because there is no need for dehumidification at this point and the dehumidifier is sampling the air to check the current relative humidity to see if dehumidification is required.

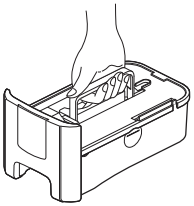
If you find that you still have condensation on your windows or you need to dry the air further then using the High fan speed, or the Turbo Laundry mode, will force the dehumidifier to dry the air further to 45%RH. This might well be necessary if you have single glazed windows or if the outside air temperature drops to freezing.

TO EMPTY THE BUCKET

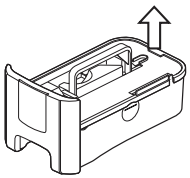
1. When the bucket is full, the "FULL" LED lights and the unit stops in a few minutes
2. Do not move the unit or remove the bucket, if the machine is still operating, as water may leak, damage the unit or cause an electric shock.
3. To remove the bucket, pull it out by gripping the bottom of the bucket, and lift carefully.
4. Remove the cover of bucket first, then pour the water away, clean the bucket and restore the cover and the bucket to the correct position.



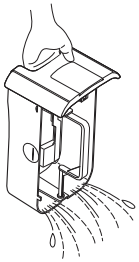
Pull bucket out



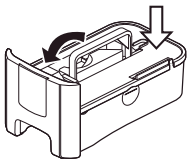
Lift by the handle



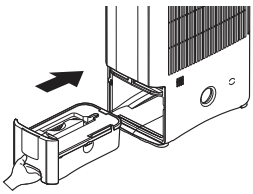
Remove the cover



Pour the water away



Restore the cover and the handle

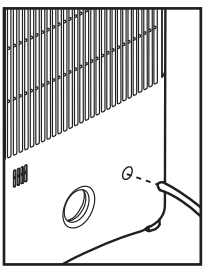


Restore the bucket

NOTE :

- Clean the bucket with clean water if needed. Do not use solvent, abrasive or hot water.
- Do not remove or damage the float in the bucket, or the unit cannot work correctly.
- The bucket cover must be well fitted in position.
- The "FULL" Led lights if the bucket is not well in place.

TO DRAIN WATER



You may use a hose with an inner diameter of 12mm for continuous drainage:

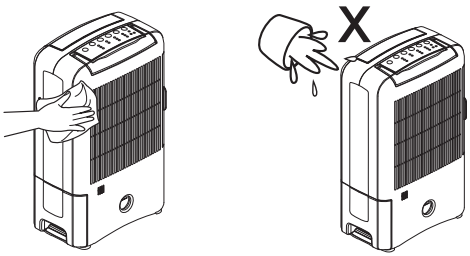
1. Use a screwdriver to remove the knockout at the back. Attach the tubing to the connector through the hole.
2. The tubing should be lead to the drain with no sharp bends.

Note:

1. The bucket must be in the correct position before tubing.
2. Remove the tubing before pulling out the bucket.

Cleaning the unit

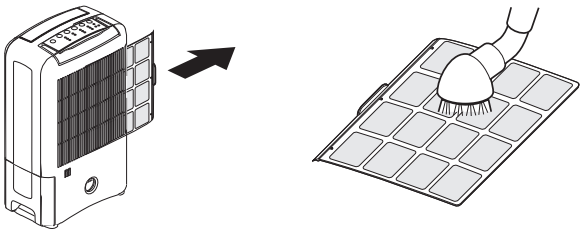
1. Turn off the unit, wait for the fan to stop and unplug from the power socket.
2. Clean the surface with a soft damp cloth.
3. Dry thoroughly with a tower after cleaning.
4. In order to avoid damage, do not wash the machine with water, or let water drip into the air inlet or outlet.



Cleaning the filter

If the filter is covered with dust, the airflow and the performance of the unit will be affected. It is recommended to check and clean the air filter every 2 weeks.

1. Turn off the unit and remove the filter from the unit.
2. Clean the nano-sliver filter only with a vacuum cleaner. (Washing will weaken the germicidal effect of the filter)
3. Replace the filter in position.



Before storing

1. Turn off the unit, wait for it to stop and unplug from the power socket.
2. Clean and dry the bucket. Leave the unit to drain for approximately one day.
3. Clean the filter and the unit. Cover the unit to prevent it from gathering dust. Store uprighting in a cool dry place.
4. Do not expose to direct sunlight.

TROUBLESHOOTING

The following conditions are normal:

1. The fan is still running about 2 minutes after turning off the the unit.
2. The unit works within room temperature about 1~40ºC. It may stop operation out of this range or when the air inlet or outlet is covered. (The "CHECK" LED light will illuminate)
3. The unit includes heater function that could increase the room temperature.

If your Dehumidifier stops working or "CHECK" LED illuminates, please check the following items first.

When the unit fails to run:

- ➡ Is power cord unplugged or the power off?
- ➡ Is "FULL" light on? Is the bucket in the correct position? Check and replace the bucket.

When the performance seems poor:

- ➡ Is there any door or window open?
- ➡ Is steam being generated in the room?
- ➡ Is the room too big?
- ➡ Is the filter dirty? Clean it. Refer to the filter cleaning instructions.
- ➡ Is the inlet or the outlet covered?

When noise occurs:

- ➡ Is the unit on a horizontal surface? Move and reset the unit.
- ➡ Is the air filter dirty? Clean the filter.

NOTE:

1. If the "CHECK" LED illuminates, turn off the unit, unplug from the power socket, check and clean the filter. If it is dirty, remove any obstacle that covers the air inlet or outlet, and wait for at least ten minutes before plugging in and switching back on.
2. Please contact your retailer if the problem continues. Do not try to repair it by yourself, as this could cause an electrical shock and void your warranty.

SPECIFICATIONS

Model: DD122FWMK3
Operating Temperature Range: 1ºC - 40ºC
Dehumidification: Up to 7 litres / day
Water tank capacity: 2 Litres
Power: 620W
Voltage: 220-240V ~ 50Hz
N.W: 6 Kg
G.W: 7 Kg
Product size: 47.5H x 29W x 17.5D cm

SERVICE AND WARRANTY

- Do not operate the unit with a damaged cord or plug, after the unit malfunctions, has been dropped or damaged.
- For your convenience, record the complete model number and product name (located on the Product Identification Plate), the date you purchased the product, and attach your purchase receipt as proof of purchase.
- To ensure your product is covered by warranty, the complete faulty product together with your purchase receipt should be returned to your retailer.

ONE (1) YEAR LIMITED WARRANTY

Save This Warranty Information

EHS (International) Ltd. guarantees this product free from defects in materials and workmanship for a period of one (1) year.

Should this unit be operated under conditions other than those recommended or at voltages other than the voltage indicated on the unit, or any attempts made to service or modify the unit, will render this **WARRANTY VOID**. The product you buy may sometimes differ slightly from illustration. This warranty is in addition to, and does not affect, your statutory rights.

Should you have a problem with this product, please call our Help Desk on: (0870) 742 5021.

This product has been manufactured to comply with EEC Directives 2006/95/EG and 89/336/EEC

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

EHS 01/09

EHS, Manchester, M17 1RN